| Please type a plus sign (+) inside this box →   | PTO/SB/05 (4/98) Approved for use through 09/30/2000, OMB 0651-0032 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE                       |  |  |  |  |  |  |
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| UTILITY   | 1 - 1/01/ - 1/1  |  |  |  |  |  |  |
| PATENT APPLICATION  | First Inventor or Application Identifier   |  |  |  |  |  |  |
| TRANSMITTAL (Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))  |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
| APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application content   | ADDRESS TO: Box Patent Application   |  |  |  |  |  |  |
| 1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)   | 5. Microfiche Computer Program (Appendix)  |  |  |  |  |  |  |
| 2. Specification (Total Pages 7)  | 6. Nucleotide and/or Amino Acid Sequence Submission  |  |  |  |  |  |  |
| (preferred arrangement set forth below)  - Descriptive title of the invention   | a. Computer Readable Copy  |  |  |  |  |  |  |
| - Cross References to Related Applications  | b. Paper Copy (Identical to computer copy)   |  |  |  |  |  |  |
| - Statement Regarding Fed sponsored R & D - Reference to Microtiche Appendix  | c. Statement verifying Identity of above copies  |  |  |  |  |  |  |
| Background of the Invention   |  |  |  |  |  |  |  |
| - Brief Summary of the Invention  | ACCOMPANYING APPLICATION PARTS  7. Assignment Papers (cover sheet & document(s))   |  |  |  |  |  |  |
| - Brief Description of the Drawings (if filed)  | 37 C.F.R \$3.73(b) Statement Power of  |  |  |  |  |  |  |
| - Detailed Description - Claim(s)   | 8. (when there is an assignee) Attorney  |  |  |  |  |  |  |
| Abstract of the Disclosure  | 9. English Translation Document (Il applicable)  |  |  |  |  |  |  |
| 3. Drawing(s) (35 U.S.C. 113) [Total Sheets 6   | ]] 10. Information Disclosure Copies of IDS Statement (IDS/PTO-1449 Citations  |  |  |  |  |  |  |
| 4. Oath or Declaration (Total Pages   | ] 11. Preliminary Amendment  |  |  |  |  |  |  |
| a. Newly executed (original or copy)  | Relum Receipt Postcard (MPEP 503)  |  |  |  |  |  |  |
| b. Copy from a prior application (37 C.F.R. §   | (Should be specifically itemized)  1.63(d))  Small Entity Steement filed to advance the land   |  |  |  |  |  |  |
| DELETION OF INVENTORIS)   | 13. Statement(s) Statement filed in prior application, (PTO/SB/09-12) Status still proper and desired  |  |  |  |  |  |  |
| Signed statement attached deleting Inventor(s) named in the prior application, (If foreign priority is claimed)   |  |  |  |  |  |  |  |
| see 37 C.F.R. §§ 1.63(d)(2) and 1.3   |  |  |  |  |  |  |  |
| *NOTE FOR ITEMS 1 A 13: IN ORDER TO BE ENTITLED TO PAY SMALL<br>FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EX   | CEPT   |  |  |  |  |  |  |
| LIF. ONE FILED IN A PRIOR APPLICATION IS RELIED UPON 137 C.F.R. \$ 1.28).   |  |  |  |  |  |  |  |
| 16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:  Continuation  Divisional  Continuation in part (CIP)  of prior application No:   COLUMN 1872  |  |  |  |  |  |  |  |
| Prior application information: Examiner H. M.G. N. S. C. Y.7 Group / Art Unit: 3659   |  |  |  |  |  |  |  |
| For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by |  |  |  |  |  |  |  |
| reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  17. CORRESPONDENCE ADDRESS  |  |  |  |  |  |  |  |
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| Name (Printipe) Charles E. Tonico Registration No. (Attorney/Agent) 17, 286   |  |  |  |  |  |  |  |
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| comments on the amount of time you are required to complete this fo   | orm should be sent to the Chief information Office, Patent and Trademark Office, IMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, |  |  |  |  |  |  |

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PTO/SB/17 (8/99)

Complete (if applicable)

Date

(203/22)-7368

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| FEE TRANSMITTA  | Com      |                      |                  |              | Co       | omplet if Known   |               |
|---|----------|----------------------|------------------|--------------|----------|---|---------------|
|   |          | Application I        |                  | n Nu         | mber     |   | -             |
| for FY 1999   |          | Filing Date          |                  |              | ·        | FM  |               |
| Patent lees are subject to annual revision.   |          | First Named Inventor |                  |              | ventor   |   |               |
| Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTOISBI09-12. |          |                      |                  |              | 8        |   | عري د         |
| See 37 C.F.R. §§ 1.27 and 1,28.   |          |                      | Group / Art Unit |              |          |   |               |
| TOTAL AMOUNT OF PAYMENT (S) 35  | · -      |                      | Atlomey Docket   |              |          | 28.011 CIPIT  | - E-          |
|   |          |                      |                  |              |          |   |               |
| METHOD OF PAYMENT (check one)   |          |                      |                  | 1            | FEE CA   | ALCULATION (continued)  |               |
| 1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:  |          | DDIT<br>• Entil      |                  |              |          |   |               |
| Deposit   | Fee      |                      | Fee              | Fac          | , '      | Fee Description   | Fee Pald      |
| Account Number 20-0435  | 105      | 130                  | 205              | 65           |          | arge - late filing fee or oath  |               |
| Deposit C   | 127      | 50                   | 227              | 25           |          | arge - late provisional filing fee or                                 | <del>  </del> |
| Account Tamko + Temko   |          |                      |                  |              | COVER    | •   |               |
| Anarge Any Additional Fee Required  | 139      | 130                  | 139              | 130          |          | nglish specification  |               |
| Under 37 CFR §§ 1.16 and 1.17   | 112      | 2,520<br>920°        |                  | 2,520<br>920 | _        | ng a request for reexamination sting publication of SIR prior to      | <b> </b>      |
| 2. Payment Enclosed:  | 1,2      | 320                  |                  | _            | Exami    | ner action  |               |
| Check Money Other   | 113      | 1.840                | 113              | 1,840        |          | sting publication of SIR after<br>ner action                          | <u> </u>      |
| · FEE CALCULATION   | 115      | 110                  | 215              | 55           | _        | ion for raply within first month                                      |               |
| 1. BASIC FILING FEE   | 116      | 380                  | 216              | 190          | _        | ion for reply within second month                                     |               |
| Large Entity Small Entity   | 117      | 870                  |                  | 435          |          | ion for raply within third month                                      |               |
| Fee Fee Fee Fee Description Code (3) Code (5) Fee Pald  |          | 1,360                | 218              |              | _        | ion for reply within fourth month<br>ion for reply within fifth month | <b></b>       |
| 101 760 201 380 Utility filing fee  | 119      | 1,850<br>300         | 228              | 150          |          | of Appeal   | · ·           |
| 106 310 206 155 Design filing fee   | 120      | 300                  | 220              |              |          | brief in support of an appeal   |               |
| 107 480 207 240 Plant filing fee<br>108 760 208 380 Reissue filing fee  | 121      | 260                  |                  | 130          | Reques   | st for oral hearing   |               |
| 114 150 214 75 Provisional filing fee   | 138      | 1,510                | 138              | 1,510        | Pelition | n to institute a public use proceeding                                |               |
|   | 140      | 110                  | 240              | 55           |          | n to revive - unavoidable   |               |
| SUBTOTAL (1) (\$) 355   | 141      | 1,210                | 241              | 605          |          | to revive - unintentional   |               |
| 2. EXTRA CLAIM FEES  Foo from   |          | 1,210                | 242              | 605          |          | ssue fee (or reissue)   |               |
| Extra Claims below Fee Paid  Total Claims 20** = X  | 143      | 430<br>580           | 243<br>244       | 215          | -        | issue fee<br>sue fee  |               |
| Independent -3" * X =   | 122      | 130                  | 122              | 130          |          | s to the Commissioner   |               |
| Multiple Dependent  | 123      | 50                   | 123              | 50           |          | s related to provisional applications                                 | <del></del>   |
| or number previously paid, if greater, For Reissues, see below  | 126      | 240                  | 126              | 240          |          | sion of Information Disclosure Stmt                                   |               |
| Large Entity Small Entity Fee Fee Fee Fee Description Code (\$) Code (\$)   | 581      | 40                   | 581              | 40           | Record   | ing each patent assignment per<br>y (times number of properties)      | -             |
| 103 18 203 9 Claims in excess of 20<br>102 78 202 39 Independent claims in excess of 3  | 146      | 760                  | 246              | 380          | Filing a | submission after final rejection<br>R § 1.129(a))                     | <del></del>   |
| 104 260 204 130 Multiple dependent claim, if not paid   | 149      | 760                  | 249              | 380          | For eac  | th additional invention to be<br>ed (37 CFR § 1.129(b))               |               |
| 109 78 209 39 ** Reissue independent claims over original patent  | Other f  | 88 (SP               | cify)            |              |          |   |               |
| 110 18 210 9 ** Reissue claims in excess of 20 and over original patent   | Other fo | ee (spe              | cify)            |              |          |   |               |
| SUBTOTAL (2) (5)  | Reduc    | ed by                | Basic            | Filing I     | Fee Paid | SUBTOTAL (3) (\$)   |               |
| SUBMITTED BY  |          |                      |                  |              |          | Complete # postpetial   |               |

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E. TemKO

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